ABSTRACT

Zidny Fahma Ilmy Gorby (17103087), 2021 - **WEBSITE-BASED COMPETENCE CERTIFICATION INFORMATION SYSTEM (CASE STUDY: : INSTITUT TEKNOLOGI TELKOM PURWOKERTO)**

Certification is a benchmark to determine the skills and knowledge possessed by job seekers, professionals, and students at the secondary education level as well as college students to gain recognition. Competency Test Place (TUK) is a unit implementing competency standard testing, competency certification in a professional field and has responsibility for the implementation, guidance and development of competency standards and competency certification. Based on the results of interviews with the TUK unit manager, there are several obstacles in their services, namely, the certification registration process (competency test) which has not been effective in serving prospective competency test participants, then certification information (competency test) related to certification is still difficult for students to obtain directly. This study aims to build a Certification Information System and measure the level of conformity. The method that will be used in this research is RAD (Rapid Application Development). RAD was chosen because this model emphasizes the short development cycle of software development. The test method that will be used in this study is the User Acceptance Test (UAT) with the type of Operational Acceptance Testing. UAT Operational Acceptance Testing was chosen because the level of acceptance of a system by users can be a benchmark for assessing the acceptance of an information technology by users and requires users to use the system or software that has been created It is hoped that the developed system can improve the performance and service of the Competency Test Place (TUK) unit at the Telkom Purwokerto Institute of Technology. The test results using Operational Acceptance Testing type UAT on the system have obtained valid results which are accepted by 24 respondents who have tried the competency certification information system

Keyword : *Certification, Competency test, TUK, UAT, RAD.*